

## D&D Knowledge Management Information Tool

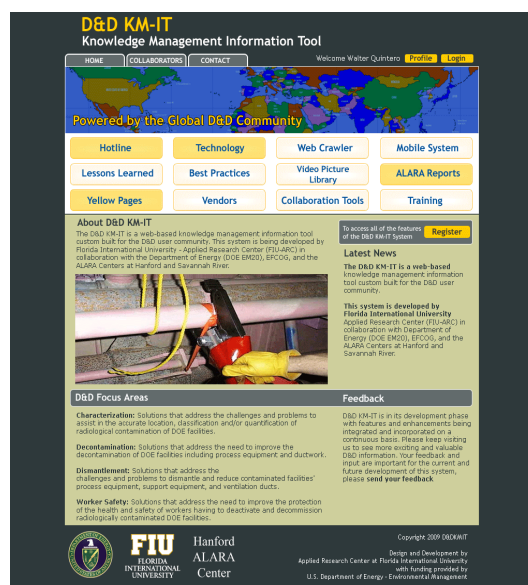
### Challenge

Deactivation and Decommissioning (D&D) work is a high priority across the DOE Complex. Subject matter specialists associated with the different ALARA (As-Low-As-Reasonably-Achievable) Centers, DOE sites and the D&D community have gained extensive knowledge and experience over the years. To prevent the D&D knowledge and expertise from being lost over time, an approach is needed to capture and maintain this valuable information in a universally available and easily usable system.

### Technical Solution

The D&D Knowledge Management Information Tool (KM-IT) is a web-based knowledge management information tool custom-built for the D&D user community by the Applied Research Center (ARC) at Florida International University (FIU) in collaboration with the Department of Energy, the Energy Facility Contractors Group (EFCOG), and the ALARA Centers at the Hanford and Savannah River Sites.

The D&D KM-IT will serve as a centralized repository providing a common interface for all D&D related activities. It will assist users in gathering, analyzing, storing and sharing knowledge and information within the D&D community. This approach will assist in reducing the need to rediscover the knowledge of the past while capturing the new knowledge and experiences gained during D&D operations resulting in enhanced worker safety, schedule efficiencies, and overall reduction of technical risk.



[www.dndkm.org](http://www.dndkm.org)

### Tech Accomplishment

D&D KM-IT currently includes the following modules: 1) *D&D Web Hotline* – subject matter experts provide solution to posted problems through a custom work flow process; 2) *D&D Technology Management Solution* – provides historical and new D&D technology and demonstration information; and 3) *Yellow Pages* - Directory of D&D experts across the DOE Complex. Future module developments will include: a tailored D&D web crawler, Vendor information management- will provide D&D Technology vendor's contact information, D&D mobile system capabilities, lessons learned, D&D best practices, video/picture library, and collaboration Tools.

#### Site Project & Identifier

DE-FG01-05EW07033\_4  
D&D KM-IT

#### Tech Stage: Development

Information Technology development for Knowledge Management.

## Impact

The D&D KM-IT is being developed with the application of state-of-the-art web technologies in a secured environment to serve as a single point or portal of knowledge for D&D activities. The system will consolidate a large amount of information available on the web and present it to users in the simplest possible way.

### ***Impact and Features***

- Capture, catalog, store, and disseminate experiences gained during D&D operations.
- Enhance worker safety and D&D operational efficiencies while contributing to overall technical risk reduction.
- State of art web based system tailored for the D&D community providing dynamic access to D&D related information over the web.
- D&D user community driven system and will serve as a focused source for D&D related knowledge/activity/information.
- Present features include D&D hotline, D&D Technology Management Solution, Directory of D&D Experts.
- Future Developments include D&D Web Crawler, Vendor Management, Lessons Learned, Best Practices, Collaboration Tools, Video/Picture Library, Mobile system, and Document Library.

### **Vendor/Provider Information:**

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### **Technology Name:**

D&D Knowledge Management  
Information Tool (D&D KM-IT)

### **Federal End User Information:**

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### **Web Links:**

[www.dndkm.org](http://www.dndkm.org)

### **HQ Project Lead:**

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Challenge Category	Tech Solution Category
<ul style="list-style-type: none"><li>• D&amp;D Experience Base</li><li>• D&amp;D Problems</li><li>• D&amp;D Technologies</li><li>• D&amp;D Custom Search</li><li>• D&amp;D Document Repository</li><li>• D&amp;D Collaboration</li><li>• D&amp;D Knowledge Sharing</li></ul>	<ul style="list-style-type: none"><li>• Knowledge Management</li><li>• Lessons Learned</li><li>• Best Practices</li><li>• Knowledge Sharing</li><li>• Web Crawler</li><li>• Hotline</li><li>• Technology Management</li></ul>